

IN THE SPECIFICATION

Please amend the abstract of the disclosure as follows:

A transmission apparatus includes a multiplexing and demultiplexing section which carries out a multiplexing and a demultiplexing, and an order wire section which converts received order wire signals demultiplexed by the multiplexing and demultiplexing section into analog signals, and converts transmitting order wire signals into digital signals which are input to the multiplexing and demultiplexing section. The order wire section includes a codec section carrying out analog or digital conversion with respect to order wire signals, a branching and combining section branching and combining analog order wire signals, a 2-wire/4-wire converter which is capable of coupling to a telephone set, and a monitoring processor which includes a storage section storing transmitting and received data, and an order wire monitoring controller. The order wire monitoring controller controls transmission of test data stored in the storage section to an order wire line, controls storage of test data received via the order wire line to the storage section, and controls transmission and reception of one of the received test data, and judgment data indicative of a judgment result of a comparison of the analyzed data and threshold values. An order wire monitoring method monitors form a monitoring control terminal a quality of an order wire line which couples transmission apparatuses via multiplexed lines which multiplex and transmit main and order wire signals. A transmission apparatus which is to transmit test data and a transmission apparatus which is to receive test data are specified from the monitoring control terminal, and the test data

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are transmitted from a specified transmitting apparatus to the order wire line in response to a start of test instructed from the monitoring control terminal. The monitoring control terminal monitors the quality of the order wire line based on information received from the specified receiving apparatus via the specified transmitting apparatus.
